

平成 28 年度

前 期 日 程

英 語 (80 分)

注 意 事 項

1. 試験開始の合図があるまで、この問題冊子を開いてはいけません。
2. 問題冊子は、1 ページから 16 ページまであります。解答用紙は、2 枚からなっており、「1」はマーク式、「2」は記述式です。ページの脱落等に気付いたときは、手をあげて監督者に知らせなさい。
3. 監督者の指示に従って、すべての解答用紙の受験番号欄に受験番号を記入し、マーク欄にマークしなさい。
4. 解答はすべて、解答用紙の指定された欄にマーク又は記入しなさい。
5. 受験番号のマーク時及び解答用紙「1」の解答には、必ず黒鉛筆(H, F, HBに限る。)及びプラスチック製の消しゴムを使用し、「マーク例」に従って、正しくマークしなさい。黒鉛筆以外のもの(シャープペンシル等)を使用してマークした場合、マークが薄い場合、一部分しかマークしていない場合、訂正箇所を消しゴムできれいに消していない(消し跡が残っている)場合は、マークが正しく読み取れず、採点できないことがあります。
6. 解答用紙の網掛け部分及び※を付した欄には、何も記入してはいけません。
7. 問題冊子の白紙と余白は下書きに適宜利用してもよいが、どのページも切り離してはいけません。
8. 試験終了後、この問題冊子は持ち帰りなさい。

I

1 Read the following text and answer the question below.

この部分に記載されている文章については、  
著作権上の問題から公開することができません。

【出典(一部改変) : <http://www.bbc.com/>】

Which of the following is the best title for the text?

- A. Excess Caffeine Carries Health Risks
- B. Tea Study Indicates Lower Caffeine Levels
- C. More Caffeine for Greater Energy
- D. EFSA Recommends Less Caffeine When Drinking Alcohol

2 Read the following text and answer the question below.

この部分に記載されている文章については、  
著作権上の問題から公開することができません。

【出典(一部改変) : <http://www.scientificamerican.com/>】

\*the visually impaired : 目が不自由な人々

Which of the following statements is true?

- A. Since conventional canes give a lot of information to the user of the cane, the user can find obstacles without difficulty.
- B. High-tech sticks have the potential to help visually impaired people spot obstacles and identify approaching acquaintances.
- C. The XploR is equipped with a digital camera, Bluetooth, a speaker, and a set of earphones.
- D. The SmartCane helps not only the visually impaired but also helps everyone to recognize the faces of approaching friends.

3 Read the following text and answer the question below.

この部分に記載されている文章については、  
著作権上の問題から公開することができません。

【出典(一部改変) : <http://www.nytimes.com/>】

\*germs : 細菌, 病原菌

\*Escherichia coli : 大腸菌

Which of the following best fills [ X ]?

- A. bacterial killing is more efficient at higher temperatures
- B. Escherichia coli is becoming more common in kitchens
- C. lower temperatures would not be effective at germ removal
- D. even lower temperatures may be effective at germ removal

- 4 Choose the best answer from A — D to rearrange the following sentences in the best order.

この部分に記載されている文章については、  
著作権上の問題から公開することができません。

【出典(一部改変) : Hirsch, E.D. (2013).

*What Your Fourth Grader Needs to Know*】

- A. ② — ③ — ⑤ — ④ — ①  
B. ④ — ③ — ⑤ — ① — ②  
C. ② — ⑤ — ③ — ① — ④  
D. ④ — ⑤ — ① — ② — ③

## II

Read the following text and choose the most appropriate word or phrase from A — D to fill in ( 1 )—( 10 ).

この部分に記載されている文章については、  
著作権上の問題から公開することができません。

この部分に記載されている文章については、  
著作権上の問題から公開することができません。

【出典(一部改変) : <http://www.VOAnews.com/>】

\*antibiotics : 抗生物質

- |                      |                 |
|----------------------|-----------------|
| (1) A. expecting     | B. is expected  |
| C. to expect         | D. is expecting |
| (2) A. Their meeting | B. Met          |
| C. They meet         | D. To meet      |
| (3) A. crude         | B. concerned    |
| C. crowded           | D. capitalized  |
| (4) A. spread to     | B. refer to     |
| C. separate from     | D. revive       |

- (5) A. know better  
C. have the best
- (6) A. bringing up  
C. grown
- (7) A. consume  
C. shift
- (8) A. think  
C. rate
- (9) A. double  
C. react
- (10) A. extent  
C. ban
- B. get worse  
D. take the bad
- B. rising  
D. raised
- B. increase  
D. preserve
- B. estimate  
D. include
- B. prime  
D. imply
- B. chemical  
D. purpose



### III

Read the following text and answer the questions below.

この部分に記載されている文章については、  
著作権上の問題から公開することができません。

この部分に記載されている文章については、  
著作権上の問題から公開することができません。

この部分に記載されている文章については、  
著作権上の問題から公開することができません。

【出典(一部改変) : <https://www.wmo.int/>】

\*precipitation : 降水量

1 Choose the word or phrase from A — D which is closest in meaning to ①—⑤.

- |   |                     |                         |
|---|---------------------|-------------------------|
| ① | A. caused by humans | B. electrically caused  |
|   | C. natural          | D. dangerous for humans |
| ② | A. yearly           | B. natural              |
|   | C. highest          | D. quarterly            |
| ③ | A. accidents        | B. a dry period         |
|   | C. snow             | D. loss of diversity    |
| ④ | A. saves            | B. accompanies          |
|   | C. strengthens      | D. builds up            |
| ⑤ | A. connected        | B. separate             |
|   | C. dependent        | D. occurred             |

2 Choose the best answer for each question.

- (1) Which of the following points implied in the text is the most significant evidence that human beings are causing global warming?
- A. Almost every year during the last 15 years has been a record-breaking hot year.
  - B. 2014 was the hottest year since modern methods of measuring global temperatures began.
  - C. In 2014 there was evidence of a warmer planet in both atmospheric and oceanic temperatures.
  - D. 2014 broke the record by only a few hundredths of a degree.

- (2) Which of the following statements about the extent of Arctic sea-ice is NOT true?
- A. It is at its highest level in March.
  - B. The difference between the March extent and September extent in 2014 was about 10 million square kilometers.
  - C. In 2014, the level of the sea-ice extent was the highest ever recorded.
  - D. 5.02 million square kilometers is the sixth lowest extent ever recorded.
- (3) Which of the following is true?
- A. Sea level is not a useful measure in climate science.
  - B. Most energy that accumulates in the climate system is stored in the atmosphere.
  - C. Sea-surface temperatures in 2014 were especially high in the northern half of the planet during the summer.
  - D. Tides and storms do not cause sea level to vary from day to day.
- (4) Which of the following was NOT at record high or near-record high levels in 2014?
- A. the level of Antarctic sea-ice extent
  - B. sea-surface temperatures
  - C. the amount of rain
  - D. sea levels
- (5) Which of the following would be the most appropriate title for this article?
- A. WMO Report on 21st Century Precipitation
  - B. Message from the WMO to Governments: Reduce Factory CO<sub>2</sub> or Roast
  - C. 2014 WMO-Sponsored Agroecology Product Catalog
  - D. WMO Statement on the Status of the Global Climate in 2014

## IV

Answer the questions below.

1 When Takeshi was 18 years old, as his part-time job, he delivered newspapers to homes every morning. He worked hard because he wanted to buy a clarinet. He started the job on June 1. He got 100 newspapers to deliver and each delivery paid him five yen. In addition, he was told that he would get an extra five thousand yen per month if he could deliver the newspapers every morning. Takeshi was able to do the delivery work every morning in June, but in July he could not work for eleven days because of his exams. Instead, he doubled the number of newspapers in August and managed to deliver every morning. Takeshi put all this money into a bottle, and on September 1 he took the money to a musical instrument shop. The owner of the shop counted the money, and sold him a clarinet that cost ¥50,000 more than the total of Takeshi's money from his part-time job. Actually, this ¥50,000 was a present from Takeshi's mother!

How much did the clarinet cost?

2 Kumi and Ken decided to hold a surprise party for Shota. They checked the kitchen and found a box of chocolate cake mix, which was ideal for the birthday cake! They decided to put almonds in the cake. They went to a supermarket and found a bag of almonds which cost ¥500. Ken loved cola. Each bottle cost half as much as the bag of almonds, but there was a discount: one free bottle of cola for every 5 bottles purchased. So he put a dozen bottles in the basket. He also put 2 bags of potato chips into the basket. One bag cost ¥100. Kumi found a carton of fresh cream for decoration, which was half the price of a bag of almonds, so they decided to buy a carton of fresh cream instead of almonds.

How much did they pay at the supermarket?

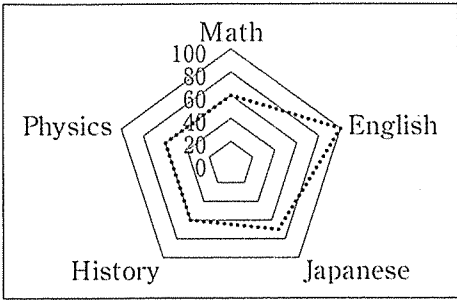
3 Satoshi had an interesting hobby. He liked to collect stamps and had a collection of stamps with items from all over Japan and from many countries around the world. On his 12<sup>th</sup> birthday, he was delighted to receive a gift of 36 more stamps from his father. Satoshi decided that he would help his younger brother, Hiro, to start a stamp collection, too. So Satoshi chose 46 of his least-favorite stamps and gave them to Hiro. Hiro was delighted and began to plan his future collection. Hiro realized that if he could get 42 more stamps, then he would have the same number of stamps as Satoshi has now.

How many stamps did Satoshi have before his 12<sup>th</sup> birthday?

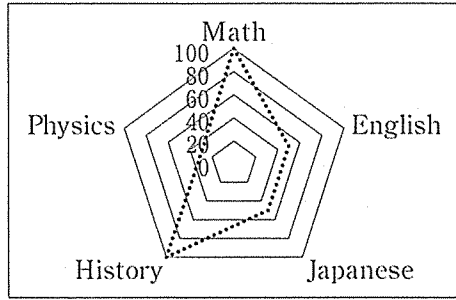
4 The charts below show the exam results of 4 students, Ken, Michiko, Kazuki, and Yoshi. In general, students who are good at math are also good at English and physics. However, Ken is an exception. According to his physics teacher, Ken can calculate quickly and correctly, but does not understand the idea of physics. On the contrary, Michiko was excellent in math and outperformed in physics. Her talent for languages will surely help her to become successful at science internationally. Kazuki loves to read and write but hates numbers. Although he is good at remembering important years in history, he is very bad at physics. Yoshi is very good at English, but not so good at other subjects. He hopes to go to America to study English.

The charts show the exam results of Ken, Michiko, Kazuki, and Yoshi. Write the number next to each name on your answer sheet.

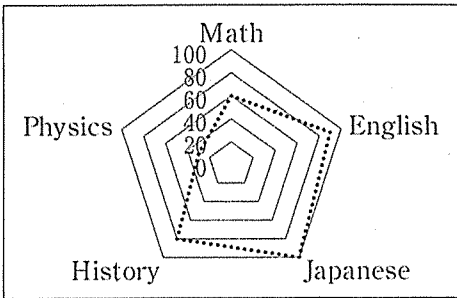
1



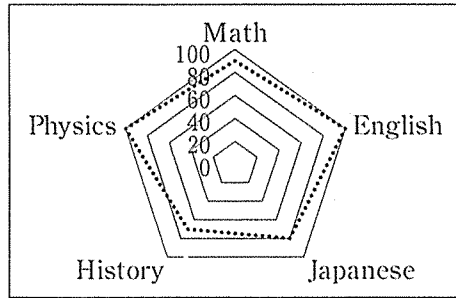
2



3



4





V

If you are to study a foreign language other than English, which language would you like to choose? State your choice and explain your reason(s) within 60—80 words. Write your answer in English.